

Conference Chairman:

Prof. Dr. Cheol Gyu Kim (Hanbat National University, Korea)

Dr. Chong-Hun Jung (Korea Atomic Energy Research Institute)

Conference Local Chairman:

Prof. Dr. Won-Chun Oh (Hanseu University, Korea)

Prof. Dr. Jin Liu (Anhui University of Architecture, China)

Prof. Dr. Ding Ming (Hefei University, China)

Prof. Dr. Chuyang Xu (Anhui University of Science & Technology, China)

Prof. Dr. Shin Mukai (Hokkaido University, Japan)

Prof. Dr. Goutam Mukhopadhyay (B.C.D.A College of Pharmacy & Technology, India)

Prof. Dr. Chul Woo Lee (Hanbat National University, Korea)

Committee

Prof. Dr. Soo-Min Park, Pusan National University, Korea

Prof. Dr. Ben-Hong Yang, Hefei University, China

Dr. Hui-Jun Won, Korea Atomic Energy Research Institute, Korea

Prof. Dr. Masahiro Toyoda, Oita University, Japan

Prof. Dr. Won-Kweon Jang, Hanseo University, Korea

Prof. Dr. Ke Wu, Hefei University, China

Prof. Dr. Chang-Sung Lim, Hanseo University, Korea

Prof. Dr. K. G. Kanade, Commerce and Hutatma Babu Genu Science College, India

Prof. Dr. Wan-Kuen Jo, Kyungpook National University, Korea

Prof. Dr. Chan-Kyung Kim, Inha University, Korea

Prof. Dr. Heon-Chang Kim, Hoseo University, Korea

Prof. Dr. Seung-Kyu Park, Hoseo University, Korea

Dr. Hangkyo Jin, Korea Research Institute of Chemical Technology, Korea

Dr. Kwang Yeon Cho, Korea institute of Ceramic Eng. and Tech., Korea

Prof. Dr. Jong-Sung Yu, Korea University, Korea

Dr. Feng-Jun Zhang, Anhui University of Architecture, China

Dr. Jing Wang, Anhui University of Science and Technology, China

Prof. Dr. Hyung Joon Lee, Hanbat National University, Korea

Conference Program

November 22 (Thursday), 2012

12:00-19:00	Onsite Registration
18:00-20:00	Welcome reception

November 23 (Friday), 2012

08:30~	Onsite Registration
09:00-09:50	Opening address (Hanbat National University, Korea)
09:50-10:15	Special Lecture 1 (Chairman : Prof. Dr. Won-Chun Oh) Prof. Dr. Isao Ogino (Hokkaido University, Japan) Strengthening of Monolithic Silica with Microhoneycombs Synthesized Using Ice Templating Method
Session 1 (10:15-11:15) (Session Chairman : Prof. Dr. Ben-Hong Yang)	
10:15-10:35	Oral Lecture 1, Prof. Dr. Jaesool Shim (Yeungnam University, Korea) Thiosemicarbazones and Their Metal Complexes: Cytotoxic Agents
10:35-10:55	Oral Lecture 2, Prof. Dr. Saksit Chanthai (Khon Kaen University, Thailand) Characterization of Hydroxyapatite Nanoparticles from Fish Scale Waste and its Adsorption of Carotenoids
10:55-11:15	Oral Lecture 3, Prof. Dr. Tack-Young Lee (Hanbat National University, Korea) Nanowire growth of Bi-Te alloy by electrodeposition
11:15-11:25	Coffee break
Session 2 (11:25-12:10) (Session Chairman : Prof. Dr. Wan-Kuen Jo)	
11:25-11:45	Oral Lecture 4, Prof. Dr. Mohammad Farook (Khadir Mohideen College, India) Biological Applications of Thiosemicarbazones and Their Metal Complexes
11:45-12:05	Oral Lecture 5, Prof. Dr. Lakshmi Narayana Suvarapu (Yeungnam University, Korea) Determination of Mercury with Various Analytical Techniques: A Review
Lunch (12:05-13:05)	
13:05-13:30	Special Lecture 2 (Chairman : Prof. Dr. S. Mukai) Prof. Dr. Ben-Hong Yang (Hefei University, China) Design, preparation and characterization of inorganic-organic hybrid low dielectric constant materials
Session 3 (13:30-14:30) (Session Chairman : Prof. Dr. Chu-Yang Xu)	
13:30-13:50	Oral Lecture 6, Prof. Dr. Masahiro Toyoda (Oita University, Japan) Synthesis of B-C-N composite from melamine/fomaldehyde resins containing Boron and its EDLC performance
13:50-14:10	Oral Lecture 7, Prof. Dr. XU Zifang (Anhui University of Science & Technology, China) Experimental Study on hydration mechanism of lime-gypsum fly ash cement paste
14:10-14:30	Oral Lecture 8, Dr. Chang-Yeoul Kim (Korea Institute of Ceramic Eng. & Tech, Korea) Electrochemical and Optical Properties of WO ₃ Thin Film with Heat-treatment Temperature
14:30-14:40	Coffee break

Session 4 (14:55-16:55) (Session Chairman : Prof. Dr. Won-Kweon Jang)	
14:40-15:00	Oral Lecture 9, Prof. Dr. Shaojie Feng (Anhui University of Architecture, China) Oxidation/reforming methane oxidation processes based on dense tubular $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ membrane reactor
15:00-15:20	Oral Lecture 10, Dr. Se-Hwan Chi (Korea Atomic Energy Research Institute, Korea) Compressive Loading-Unloading Behavior of Nuclear Graphite
15:20-15:40	Oral Lecture 11, Prof. Dr. Jang Myoun Ko (Hanbat National University, Korea) Suppression of Aluminum Corrosion in LiTFSI-Based Electrolytes by the Addition of Fumed Silica
15:40-16:05	Special Lecture 3 (Chairman : Prof. Dr. M. Toyoda) Prof. Dr. Wan-Kuen Jo (Kyungbook University, Korea) Utilization of Carbon-Embedded Photocatalysts Prepared at Different Oxidation Conditions for Gaseous MTBE Decomposition
16:05-17:15	Coffee break
Poster Session (17:15-18:30) (Session Chairman : Prof. Dr. Jin Liu, Dr. Chong-Hun Jung)	
Banquet (18:30 ~)	
19:50-20:00	Closing Remark (Prof. Dr. Chan-Kyung Kim)
November 24 (Saturday), 2012	
Conference Tour : Backjae Cultural Area	
09 :30 Departure ~	

■ **Committee Board Meeting : 20:00 ~ (Nov. 22 (Thur.), 2012)**

Presentation Guide

Opening address: Hanbat National University, Korea

Special Lectures

SL-01: Strengthening of Monolithic Silica with Microhoneycombs Synthesized Using Ice Templating Method1

Prof. Dr. Isao Ogino (Hokkaido University, Japan)

SL-02: Design, preparation and characterization of inorganic-organic hybrid low dielectric constant materials

Prof. Dr. Ben-Hong Yang (Hefei University, China)

SL-03: Utilization of Carbon-Embedded Photocatalysts Prepared at Different Oxidation Conditions for Gaseous MTBE Decomposition.....

Prof. Dr. Wan-Kuen Jo (Kyungbook University, Korea)

Oral lectures

OL-01: Thiosemicarbazones and Their Metal Complexes: Cytotoxic Agents.....

Prof. Dr. Jaesool Shim (Yeungnam University, Korea)

OL-02: Characterization of Hydroxyapatite Nanoparticles from Fish Scale Waste and its Adsorption of Carotenoids.....

Prof. Dr. Saksit Chanthai (Khon Kaen University, Thailand)

OL-03: Nanowire growth of Bi-Te alloy by electrodeposition.....

Prof. Dr. Tack-Young Lee (Hanbat University, Korea)

OL-04: Biological Applications of Thiosemicarbazones and Their Metal Complexes.....

Prof. Dr. Mohammad Farook (Khadir Mohideen College, India)

OL-05: Determination of Mercury with Various Analytical Techniques: A Review.....

Prof. Dr. Lakshmi Narayana Suvarapu (Yeungnam University, Korea)

OL-06: Synthesis of B-C-N composite from melamine/fomaldehyde resins containing Boron and its EDLC performance.....

Prof. Dr. Masahiro Toyoda (Oita University, Japan)

OL-07: Experimental Study on hydration mechanism of lime-gypsum fly ash cement paste.....

Prof. Dr. XU Zifang (Anhui University of Science & Technology, China)

OL-08: Electrochemical and Optical Properties of WO₃ Thin Film with Heat-treatment Temperature.....

Dr. Chang-Yeoul Kim (Korea Institute of Ceramic Eng. & Tech, Korea)

OL-09: Oxidation/reforming methane oxidation processes based on dense tubular La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O_{3-δ} membrane reactor.....

Prof. Dr. Shaojie Feng (Anhui University of Architecture, China)

OL-10: Compressive Loading-Unloading Behavior of Nuclear Graphite.....

Dr. Se-Hwan Chi (Korea Atomic Energy Research Institute, Korea)

OL-11: Suppression of Aluminum Corrosion in LiTFSI-Based Electrolytes by the Addition of Fumed Silica.....

Poster presentations

1. General Materials Science & Engineering

- P-01: A Polymeric Dye of Aqueous Disperse Violet 17-Based Polyurethane Dispersion**
Xianhai Hu^{1,2}, **Xingyuan Zhang**¹, Jin Liu², Jiabing Dai¹
¹ University of Science and Technology of China, China
² Anhui Institutes of Architecture and Industry, China
- P-02: Studying on infrared stealth property of polyurethane coatings**.....
Chengcongliang^{1,2}, **Liping**²
¹ Ministry of Education, China
² Anhui Institute of Architecture & Industry, China
- P-03: Controllable Morphology and Structure of MoO₃ Hexagonal Poles and Nanobelts**.....
Qingchun Zhao, Tian Cao (Anhui Institute of Architecture & Industry, China)
- P-04: Morphology control of CoC₂O₄•4H₂O and Co₃O₄ microspheres**.....
Hanmei Hu, Junchan Xu, Weifei Wu, Dongdong Liu, Lili Zhang, Zhengxiang Hou
(Anhui University of Architecture, China)
- P-05: Copper selenide (CuSe and Cu₂Se) nanocrystals: controllable synthesis through a facile ultrasonic chemical route**.....
Hanmei Hu¹, Xinqing Ge¹, Chonghai Deng², Mei Sun¹, Han Xuan¹, Kehua Zhang¹
¹Anhui University of Architecture, China
² Hefei University, China
- P-06: A novel synthetic route to carbon nanotubes supported ZrO₂/TiO₂ nanoparticles**....
Hai yan Xu¹, Changling Liu², Yan Li¹, Ling Xu¹, Xudong Wang¹, Chenshu Liu³
¹ Anhui University of Architecture, China
² Hefei Normal University, China
³ University of Science and Technology of China, China.
- P-07: p-Phthaloyl chloride-grafted SF induced biomineralization of hydroxyapatites**.....
Liu Chao¹, **Chen Guangmei**¹, Li Rong²
¹Anhui Institute of Architecture and Industry, China
² Anhui University, China
- P-08: Synthesis by different methods and characterization of hyperbranched polyurethane**
Chen Guangmei, Liu Chao, Hu Dongfeng (Anhui University of Architecture, China)
- P-09: Microwave-assisted Synthesis of 2-Methyl-4-Quinolinones via Combes Synthesis Catalyzed by Acidic Resin under Solvent-free**.....
ShizhenYuan, Kehua Zhang, Jingjing Xia (Anhui University of Architecture, China)
- P-10: Influence of restraint on pore structures and air permeability of concrete containing**

- MgO-type expansive agent.....**
 Aiguo Wang¹, Daosheng Sun¹, Min Deng², Xiaoming Chen¹, Fengjun Zhang¹
¹ Anhui University of Architecture, China
² Nanjing University of Technology, China
- P-11: Study on Preparation and Characterization of Cu₂O Nanopowders Made by Liquid Phase Method.....**
 Ling Xu¹, Chang-ling Liu², Shi-biao Wu¹, Hai-yan Xu¹, Shao-feng Zhu¹, Feng-Wang¹, Li-li Yang¹, Guang-jiu Jia¹, Jun Li¹
¹ Anhui University of Architecture, China
²Hefei Normal University, China
- P-12: Mixed solvothermal synthesis of Sb₂Se₃ whiskers assembled by nanobelts.....**
Chonghai Deng¹, Hanmei Hu², Xiaoyu Zhang², Benhong Yang¹
¹ Hefei University, China
² Anhui University of Architecture, China
- P-13: Microwave-assisted rapid synthesis of magnetite Fe₃O₄ Nanoparticles.....**
Chonghai Deng¹, Hanmei Hu², Xinqing Ge², Chengliang Han¹, Difang Zhao¹
¹ Hefei University, China
² Anhui University of Architecture, China
- P-14: Computer-controlled scanning electron microscopy (CCSEM) investigation on transformation of minerals and PM_{2.5} Emissions during Chinese Coal Combustion.....**
Mingjun Ji¹, Zhongbin Dong¹, Hanxu li¹, Qunying Wang², Yoshihiko Ninomiya²
¹ Anhui university of Science and Technology, China
² Chubu University, Japan
- P-15: Synthesis of FeAl/Al₂O₃ Composites by Thermite Reaction.....**
Yin Liu, Qian Qian, Chuyang Xu, Fanfei Min, Mingxu Zhang
 (Anhui University of Science and Technology, China)
- P-16: Facile Synthesis of Superhydrophobic CuO film on Copper Substrate.....**
Rongchun Nie, Chuyang Xu, Yanfen Wang
 (Anhui University of Science & Technology, China)
- P-17: Hydrothermal Synthesis and Characterization of Flower-like SnO₂-Zn₂SnO₄ Nanocomposites.....**
Zi-rong Li, Guo-jun Cheng (Anhui Science and Technology University, China)
- P-18: Optical fiber tip fabricated by improved Turner method silica gel.....**
Zhoufeng Wang, Chunxia Li (Anhui University of Science and Technology, China)
- P-19: Researches on surface of near-field optical probe based on chemical etching.....**
 Chunxia Li, Zhoufeng Wang (Anhui University of Science and Technology, China)
- P-20: Study of surface modification of ultra-fine CaCO₃ with different coupling agent....**
Guojun Cheng, Xiuhua Yu, Guoxin Ding, Chuyang Xu
 (Anhui University of Science and Technology, China)
- P-21: Study on the SiCp/Al composites prepared by pressureless infiltration.....**
Qingping Wang¹, Fanfei Min¹, Yucheng Wu², Yu Hong², Yin Liu¹, Chuyang Xu¹
¹ Anhui University of Science and Technology, China
² Hefei University of Technology, China;

- P-22: Superhydrophobic ZnO Nanocoatings for Different Substrates.....**
Yanfen Wang, Benxia Li, Chuyang Xu, Rongchun Nie
 (Anhui University of Science & Technology, China)
- P-23: Morphology analysis of GNS and GNS/ Al₂O₃ Composites magnification.....**
 Jin Wang, Jin Zhang, Zhenying Liu (Anhui University of Science & Technology, China)
- P-24: Study of cure kinetics of vinyl-tri (phenylethynyl)silane monomer.....**
 Dexin Tan, Yanli Wang, Honglong Xing, Zhong Li
 (Anhui University of Science and Technology, China)
- P-25: Effects of Alumina Micro-powder Additions on Properties of Special Silicon Mullite Brick.....**
Zhenying Liu, Desheng Feng, Jing Wang
 (Anhui University of Science & Technology, China)
- P-26: A new method of research on the wear resistance of wear-resistant materials.....**
Hongzheng Zhu, Yin Liu, Jinbo Zhu (Anhui University of Science and Technology, China)
- P-27: Preparation and characterization of porous biphasic calcium phosphate for biomedical application.....**
Yusong Pan, Chuyang Xu, Huayuan Rong
 (Anhui University of Science & Technology, China)
- P-28: Study on the bioactive properties of polyetheretherketone.....**
Yusong Pan Chuyang Xu, Chengling Pan
 (Anhui University of Science & Technology, China)
- P-29: Synthesis and Characterization of St-AN-(KH-570) Block Macromolecular Coupling Agent Copolymers.....**
 Guojun Cheng ^{1,2}, Ruijuan Song ¹, Jibing Miao ¹, Jiasheng Qian ¹
¹ Anhui University, China;
² Anhui University of Science and Technology, China
- P-30: Surface Modification of Nano-Silicon Nitride with Silane Coupling Agent.....**
Xiaodong Wang^{1,2}, Xinjun Wan¹
¹ Chaohu University, China
² Anhui University, China
- P-31: Hydrolysis of the extract of rosa roxburghii tratt catalyzed by imidazolium ionic liquid materials.....**
 Chang Yang¹, Hao Zeng (co-first author)¹, Hang Song¹, Shun Yao¹, Hongyan Ma²,
¹Sichuan University, China
² Guangdong Pharmaceutical Universities, China
- P-32: Sulfur Dioxide Capture by Limestone in a Lab Scale Circulating Fluidized Bed Combustor.....**
 Dowon Shun¹, Dal-Hee Bae¹, Changsup Oh², Heon Chang Kim³ and Seung Kyu Park³
¹ Korea Institute of Energy Research, Korea
² Korea Institute of Science and Technology Information, Korea
³ Hoseo University, Korea
- P-33: Anti-Scratch Properties of Clearcoat after Application of Polymer Coated Silica Ball.....**
 Seung Man Noh¹, Ki Hyun Choi², Soo Jeong Ji², Yun Kyoung Hwang² and Seung Kyu Park²

¹PPG Industries Korea, Korea

²Hoseo University, Korea

P-34: Ion exchange processes in the channels of zeolites.....

Marsagishvili T., Machavariani M., Tatishvili G., Khositashvili R. Lekishvili N.

(Iv.Javakhishvili Tbilisi State University, Georgia)

P-35: Tuning the Hierarchical Pore Structure of Monolithic Silica Having Honeycomb Structure via the Ice Templating Method.....

Yoshitaka Satoh, Isao Ogino, **Shin R. Mukai** (Hokkaido University, Japan)

P-36: Utilization of Heteropoly Acid Supported by Silica Microhoneycomb in a Flow System.....

Kazuhiro Murakami, Seiichiro Yoshida, Masatoshi Hashimoto, Isao Ogino, **Shin R Mukai**

(Hokkaido University, Japan)

P-37: Preparation of an Active Enzyme Catalyst through the Immobilization of Urease in Macroporous κ -carrageenan.....

Takeshi Mori, Takanobu Masuda, Yoshinao Kimura, Isao Ogino, **Shin.R.Mukai**

(Hokkaido University, Japan)

P-38: Effect of Morphology of Magnesium Ammonium Phosphate on its Ammonia Uptake Ability.....

Takanobu Masuda, Isao Ogino, **Shin R. Mukai** (Hokkaido University, Japan)

P-39: Adsorption of PFC Surfactant on Activated Carbon Adsorbents.....291

Chong-Hun Jung, In-Ho Yoon, Hui-Jun Won, Wang-Kyu Choi, and Jei-Kwon Moon

(Korea Atomic Energy Research Institute, Korea)

P-40: Development of structural and optical characterization methods for InGaN/GaN multi-quantum well epi-layers.....

Young Joon Yoon¹, Sangsu Hong², Mi-Yang Kim², Joon Seop Kwak³

¹ Korea Institute of Ceramic Engineering and Technology, Korea

² Samsung Electro-Mechanics Co., LTD. Korea

³ Sunchon National University, Korea

P-41: Performance of passive mixer and separator in a ceramic-based microfluidic device.....

Ji-Yun Seon^{1,2}, **Young Joon Yoon**¹, Hyo Tae Kim¹, Chang-Yeoul Kim¹, Jong-Hee Kim¹, Hong Koo Baik²

¹ Korea Institute of Ceramic Engineering and Technology, Korea

² Yonsei University, Korea

P-42: Upconversion luminescence of Ho³⁺/Tm³⁺/Yb³⁺ co-doped CaMoO₄ Prepared by complex citrate-gel method.....

Jun Ho Chung¹, Seok Min Hwang², Se Hyeon Kim², Jae Bin Lee² and **Jeong Ho Ryu**²

¹ Hanyang University, Korea

² Korea National University of Transportation, Korea

P-43: Low temperature synthesis of nano BaTiO₃ particle using potassium hydroxide.....

Kug-Hyo Park³, Sin-Il Gu¹, **Hyo-Soon Shin**¹, Dong-Hun Yeo¹, Hyung-Sun Kim², Gook-Hyun Ha³

¹ Korea Institute of Ceramic Engineering and Technology, Korea

² Inha University, Korea

³Korea Institute of Materials Science, Korea

P-44: Additive-Driven Sinterability Improvement of Mullite Ceramics for Co-firing with Cu-Mo

Chang-Bin Lim, **Dong-Hun Yeo**, Hyo-Soon Shin

(Korea Institute of Ceramics Engineering and Technology, Korea)

P-45: Thermal conductive behavior of silicon carbide fiber/phenolic resin composites by the introduction of graphene nanoplatelets.....

Tae-Eon Kim^{1,2}, Jin Chul Bae¹, Yong-Gun Shul², DohHyung Rui¹, **KwangYeon Cho**¹

¹ Korea institute of Ceramic Eng. and Tech., Korea

² Yonsei university, Seoul, 120-749, Korea

P-46: Synthesis and Characterization of technological important Nano-domain Mn-Ferrite.....

K. G. Kanade¹, B. B. Kale² and Jin-OoK Baeg³

¹ Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College, India.

² Centre for Materials for Electronics Technology, India.

³ Korea Research Institute of Chemical Technology, Korea

P-47: Design, Synthesis and Pharmacological studies for Atypical Antipsychotic activity of some new chromen-2-one derivatives.....

Ashish Gawai¹, Sanjib Das², Pratap Parida³, K.R. Biyani¹

¹ Anuradha College of Pharmacy, India;

² Assam University, India;

³ Dibrugarh University, India.

P-48: Estimation of edge of carbon materials.....

Kazuki Matsumura, Taro Kinumoto, Tomoki Tsumura and **Masahiro Toyoda**.

(Oita University, Japan)

P-49: Synthesis, Characterization & Applications of the New Reactive Dyes with Acetoxyethyl sulfone Reactive Group.....

Tae-Kyung Kim, Hangkyo Jin (Korea Research Institute of Chemical Technology, Korea)

P-50: Preparation of Polymethylmethacrylate Rhodamine 6G in a Solid State Dye Laser

Won Kweon Jang, (Hanseu University, Korea)

P-51: Self-Setting Wet Foams to Porous Ceramics by Direct Forming.....

Jung Gyu Park, Ashish Pokhrel, Bijay Basnet and **Ik Jin Kim** (Hanseu University, Korea)

P-52: Vertically-Aligned Carbon Nanotube Arrays on Fe₃O₄ Nanoparticle-Supported Silicalite-1 Monolayer.....

Dong Nam Seo, Wei Zhao, Bijay Basnet, Ashish Pokhrel, **Ik Jin Kim**

(Hanseu University, Korea)

P-53: Bioassay of Glutathione S-transferase (GST) Antibody-antigen Interactions Using Microcantilever Sensor.....

Changguo Xue, Yanhua teng, Zhilin Ye, Dongya Wang, Xiuju Wu, Rui Wang, Zhili Lv, Mingxu Zhang (Anhui University of Science and Technology, China)

P-54: Optical Analysis of a Lens System for a Large Field of View

Won Kweon Jang (Hanseu University, Korea)

P-55: ZnO Powders for Rapid Removal of Cu (II) Ions in Solution.....

Chengliang Han, Genhui Wang, Wenlong Zhao, Tianran, Chunhui Chen, Huwei
(Hefei University, China)

P-56: Fabrication of LaF₃ Nanochains via A Reverse Microemulsion-Solvothermal Route.....

Hangmin Guan, Chenliang Han, **Dechun Zhu** (Hefei University, China)

P-57: Ligand-free CuSO₄-catalyzed C-N coupling reaction of aryl halides with alkylamines or N-heterocycles in Aqueous Solution System.....

Hua Yang¹, Xiuli Zhang¹, **Jingyu Si**²

¹ Anhui Agricultural University, China

² Hefei University, China

P-58: Preparation and Characterization of Titanium Dioxide/Poly (methyl methacrylate) Composites by In-situ Polymerization.....

Meng Li, **Benhong Yang**, Yun Wu, Tongzhong Yu (Hefei University, China)

P-59: elective Catalytic Oxidation of Diphenol by Metal-organic Frameworks Cu₃ (BTC)₂ Using Hydrogen Peroxide.....

Yun Wu, Benhong Yang, Meng Li, Wei Wang, Chang An Tian (Hefei University, China)

P-60: Preparation and characterization of biomorphic CaCO₃ with hierarchically ordered micro- and nano-structures.....

Ming Ding¹, Na Ni²

¹ Hefei University, China

² Anhui University, China

P-61: Crystal Structure and Properties of Na₂O-modified K_{0.47}Na_{0.47}Li_{0.06}Nb_{0.96}Sb_{0.04}O₃-SrTiO₃ Piezoelectric Ceramics.....

Qiyi Yin^{1,2}, **Zhaoqi Sun**², Changan Tian¹, Benhong Yang¹, Jihai Chen¹, Jinsong, Xie¹

¹Hefei University, China

²Anhui University, China.

P-62: Study on the Preparation and Reaction of Fluorescently-Labeled Chitosan Nano Particles.....

Hong Sun¹, XueYun Liu², Dechun Zhu¹, Daming Gao¹ Ming Ding¹

¹ Hefei University, China

²Anhui Research Institute of Chemical Industry, China

P-63: Surfactant-assisted synthesis of Zn(suc)(ina)₂ metal-organic framework and detection of nitroaromatic explosives.....

Wei Wang¹, Bo-Wei Chi², Guo-Quan Shao¹, **Jing-Yu Si**¹, Yun Wu¹, Chang-An Tian¹

¹Hefei University, China

² Anhui Energy Technology School, China

P-64: A Hybrid-Monolayer Fluorescence Probe towards the Detection of Ultratrace Co²⁺ Ion at Surface of SiO₂ Nanoparticles.....

Dechun Zhu, Hong Chen, Hong Sun, Jingyu Si, Jianjun Shi, **Daming Gao**

(Hefei University, China)

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Jie Yang, Shaobo Li, Benhong Yang, Guoquan Shao, Qiyi Yin (Hefei University, China)

P-66: The π Bond of C₂H₄ and 2HX(X=F, Cl, Br, I) Interaction.....

Jie Yang, Shaobo Li, Benhong Yang, Guoquan Shao, Qiyi Yin (Hefei University, China)

P-67: Ferritic stainless steels coated a dense $\text{La}_{0.7}\text{Sr}_{0.3}\text{CrO}_3$ layer as interconnects for SOFCs.....

Luhe Zhang¹, Weitao Bao²

¹ Anhui Vocational College of Defense Technology, China.

² Anhui University, China

P-68: QSPR studies on physicochemical properties of organic molecules using CODESSA

Hui Zhang,¹ Jun Li,² **Chan Kyung Kim**² ¹Hefei University, China; ²Inha University, Korea

2. Construction Materials Science & Engineering

P-69: Dry Shrinkage and Gel/space Ratio of blended Cement Pastes with Fly Ash

Yan LI¹, Dao Sheng SUN¹, Xiu Sheng WU¹, Ai Guo WANG¹, Wei XU¹, Min DENG² ¹Anhui University of Architecture, China

²Nanjing University of Technology

P-70: Study of fly ash glass-ceramic surface modification

Qifang Ren ^{1,2}, **Yi Ding** ^{1,2}, Puhua Hu^{1,2}, Lijiu Wang³

¹Anhui Key Laboratory of Advanced Building Materials, China

²Anhui University of Architecture, China

³Institute Dalian University of Technology, China

P-71: Study of Inorganic Waterproof Agent on the Performance of Desulfurization Gypsum Products.....

Yi Ding ^{1,2}, **Qifang Ren** ^{1,2}, Puhua Hu ^{1,2}

¹Anhui university of Science and Technology, China

²Anhui Key Laboratory of Advanced Building Materials, China)

P-72: Synthesis and Characterization of Flame-Retardant Polyurethane Elastomers Using Phosphorus-Containing Chain Extender.....

Wenzong Xu, Wenxiu Li, Mingyuan Ren and Jianguo Yin

Anhui University of Architecture, China

P-73: Flammability performance of EPDM/PP-based thermoplastic elastomers.....

Hongdian Lu, Jingsong Xie, Yaqing Ma, Hui He, Haotian Wu (Hefei University, China)

P-74: Quality Properties of Concrete Using Recycled Sand Produced from Wet Gravity Separation System.....

Sangsoo Lee, Hayoung Song (Hanbat National University, Korea)

3. Electronic Materials Science & Engineering

P-75: Synthesis of luminescent polystyrene with π -conjugated Pendant.....

Feng Wang, Caixia Zhu (Anhui Institute of Architecture and Industry, China)

P-76: Study on blocking and deblocking kinetics of diisocyanate with ϵ -caprolactam using FTIR spectroscopy

Yan-fei Tang^{1,2}, Zhen Li^{1,2}, **Jin Liu**^{1,2}, Bi-yun Chen², Sheng-fu Mei²

¹Anhui University of Architecture, China

²Anhui University of Architecture, China

P-77: Electrochemical behavior of arsenic on copper deposition reaction in the low copper concentration electrolyte

Shaohua Chen¹, Yi Ding¹, Donglin Zhao¹, Daorong Lu²

¹Anhui University of Architecture, China

²Hefei University of Technology, China

P-78: Study on Effect of Oxidation at Low Temperature on Thermal Dynamics Activation Energy of Lignite

Qun Shao, Lingpo Kong, Hui Xu, Sen Li

(Anhui University of Architecture, China)

P-79: Kinetics of the sorption of cobalt onto Mg/Al layered double hydroxide 133

Donglin Zhao, Yi Ding, Shaohua Chen, Kehua Zhang, Chen Liu

(Anhui University of Architecture, China)

P-80: Preparation of TiO₂ Thin Films by Potentiostatic Method: The Effects of Electrode Potential and Electrodeposition Temperature

Shibiao Wu, Ling Xu, Haiyan Xu, Feifei Li, Jie Jin, Qiushi Yao, Yuan Wang and Dekai Hong

(Anhui University of Architecture, China)

P-81: Preparation and Characterization of Electroless Deposited Ni-Zn-P-TiO₂(N) Composite Coating

ZHU Shao-feng¹, Chen Chuan-qi¹, WU Yu-cheng²

¹Anhui Institute Architecture and Industry, China

²Hefei University of Technology, China

P-82: Scientometric Analysis of Multifunctional Flux Cored Welding Wire

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